

Team ID	PNT2022TMID52229
Project Name	Project –IOT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE

## **IBM Watson IoT Platform and Device**

- It is powerful web dashboard Flexible, scalable and easy to use.
  - We provide a clean and simple UI where you can simply and easily add and manage your devices, control access to your IoT service, and monitor your usage. See at a glance the things you are interested in.
- It can do some:

### **Device Management**

- Using our device management service, you can perform device actions like rebooting or updating firmware, receive device diagnostics and metadata, or perform bulk device addition and removal.

### **Responsive, scalable connectivity**

- We use the industry-standard MQTT protocol (OASIS ratified) to connect devices and applications. MQTT is

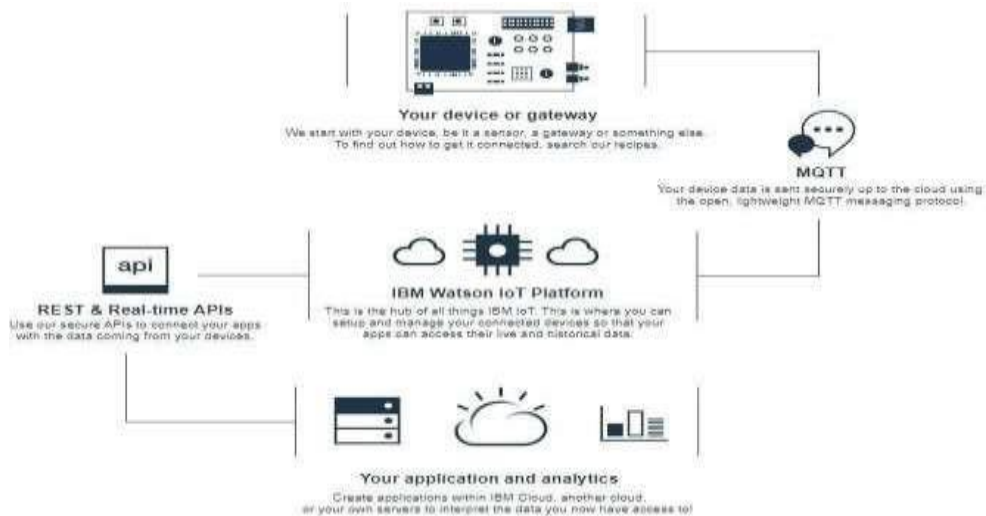
designed for efficient exchange of data to and from devices in real-time.

## **Secure Communication**

- Securely receive data from and send commands to your devices. Do this using MQTT with TLS to secure all communication between your devices and our service.

## **Data lifecycle management**

- As well as having access to real-time data coming from your devices, you can opt to store data for a period of your choice, allowing you to have access to historical and real-time data for your devices.



IBM-EPBL/IBM-Project-443 x (10) WhatsApp x IBM x IBM-EPBL/IBM-Project-443 x IBM Cloud x

cloud.ibm.com

IBM Cloud Search resources and products... Catalog Manage Nagalakshmi A's Account

Dashboard Edit dashboard Upgrade account Create resource

For you Select an option

**Build**  
Explore IBM Cloud with this selection of easy starter tutorials and services.

**Build a web app with Watson Speech to Text**  
Deploy a conversational interface compatible with any application, device, or channel.  
Getting started 15 min

**Get Started with Watson Studio**  
Get started with using AI and Cloud Object Storage in 15 minutes.  
Popular 2 hr

**Build a Virtual Private Cloud (VPC)**  
Upgrade to a paid account to create your own protected space in the IBM Cloud.  
Getting started 7 min

**Use Cloudant**  
Cloudant is a managed NoSQL document database that offers serverless scaling of throughput, capacity, and storage.  
Recommended 2 min

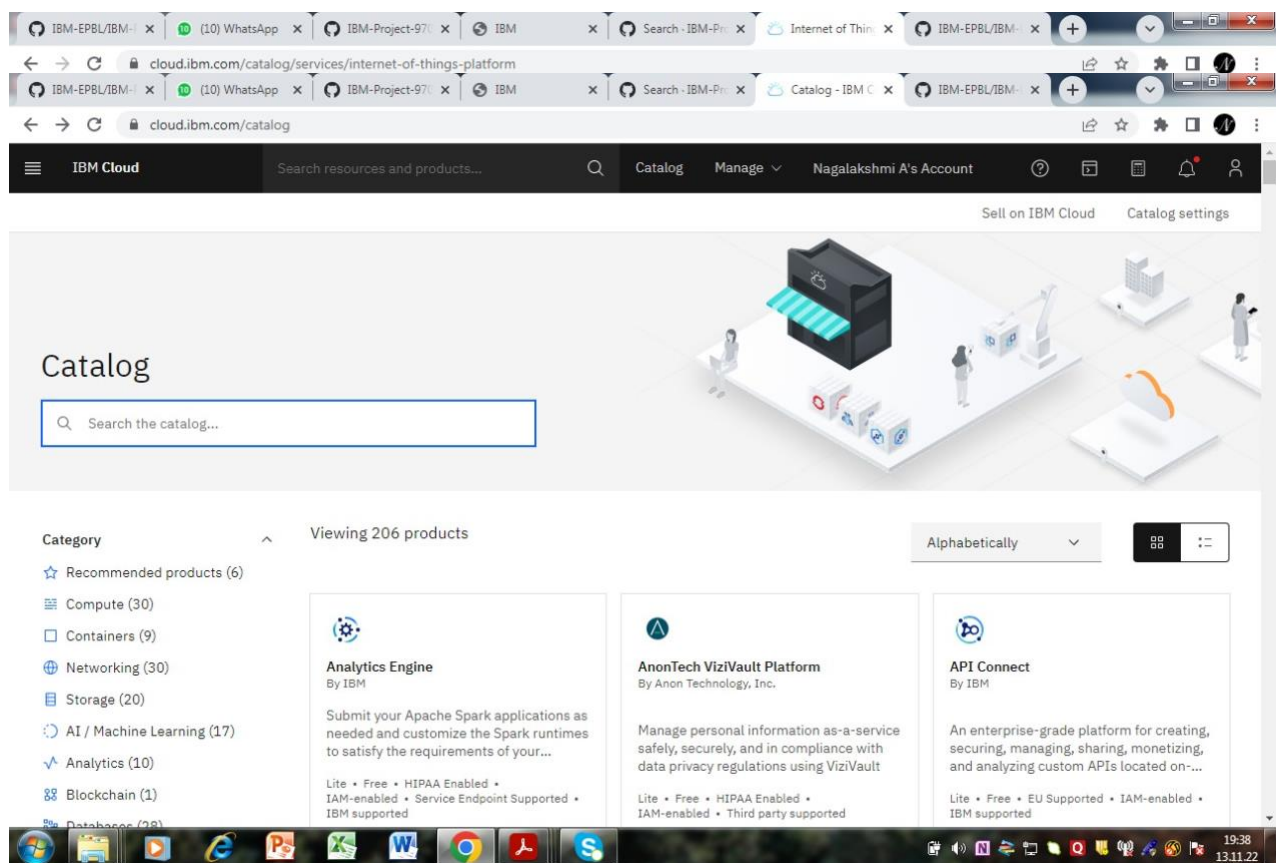
User access Manage users  
Enter email addresses below to jump directly into the invite user setup:

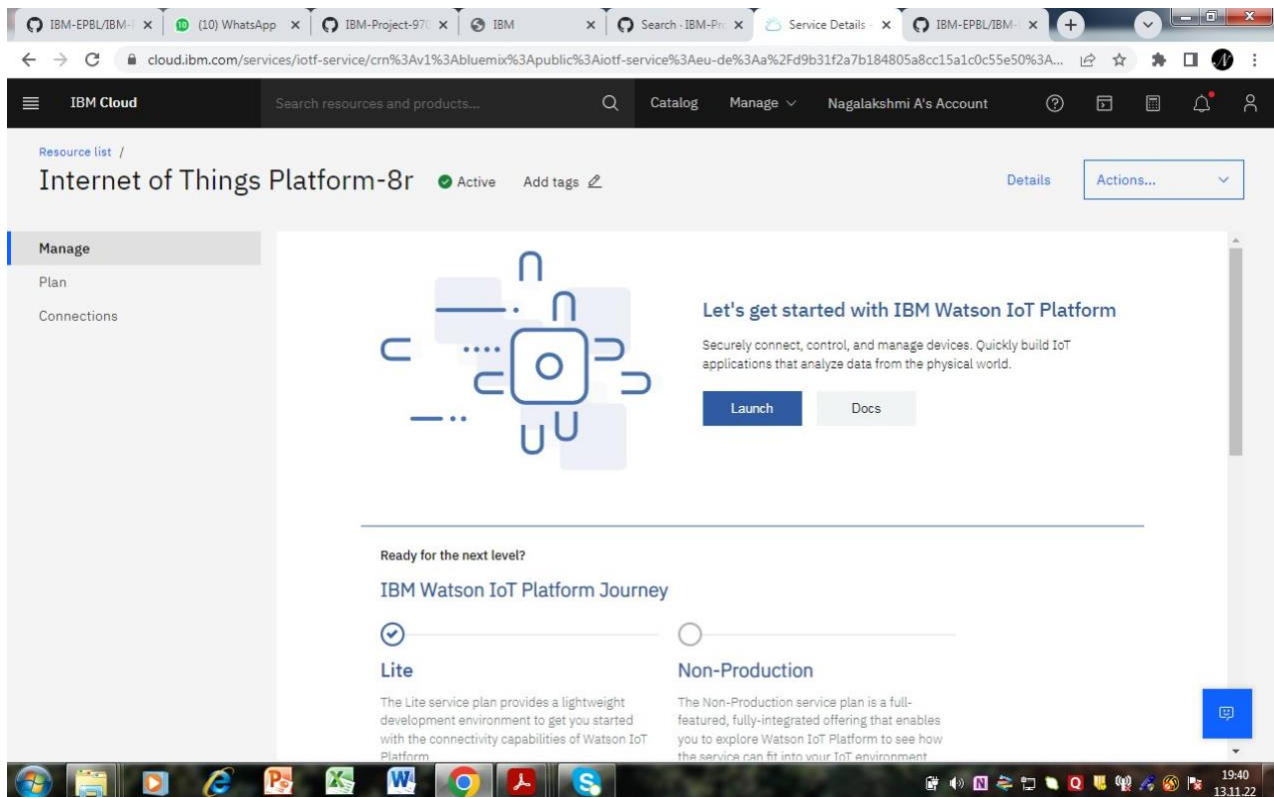
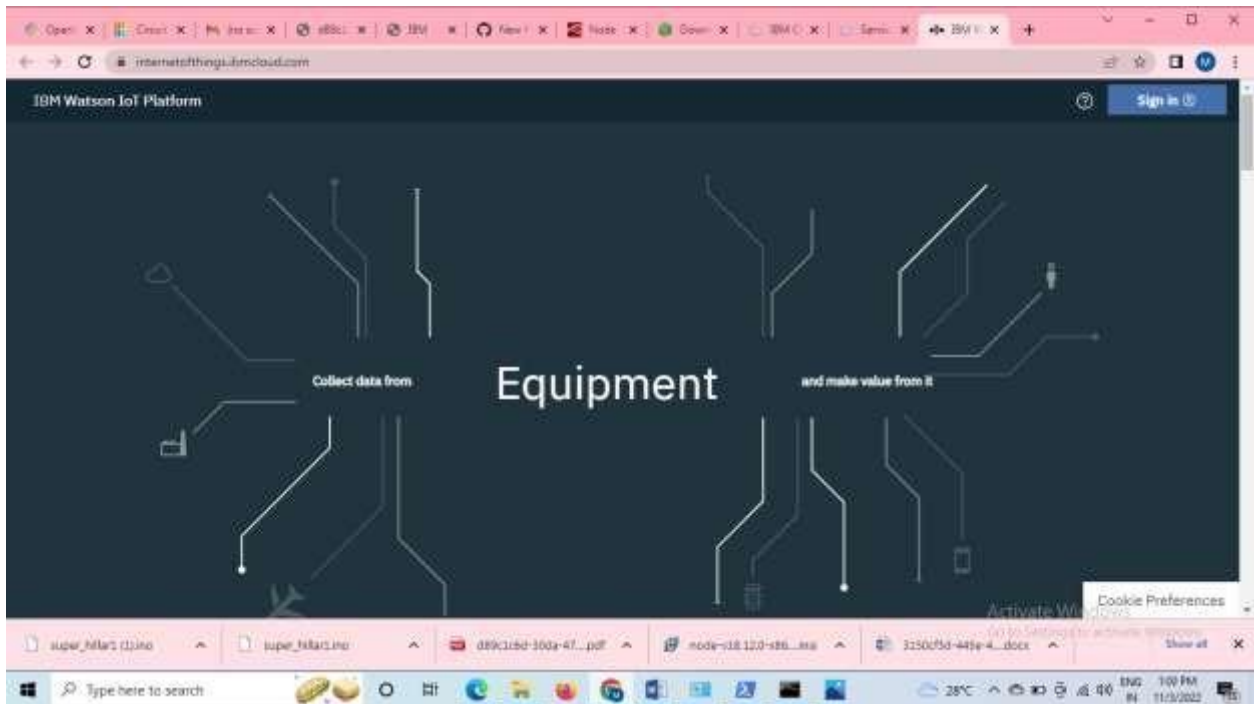
News View all  
WebSphere Application Server Support Restatement  
IBM Adds Lifecycle Services to Enterprise Networking and Deepens Strategic Partnership with Cisco  
All About IBM Storage's Price and Supply Guarantees

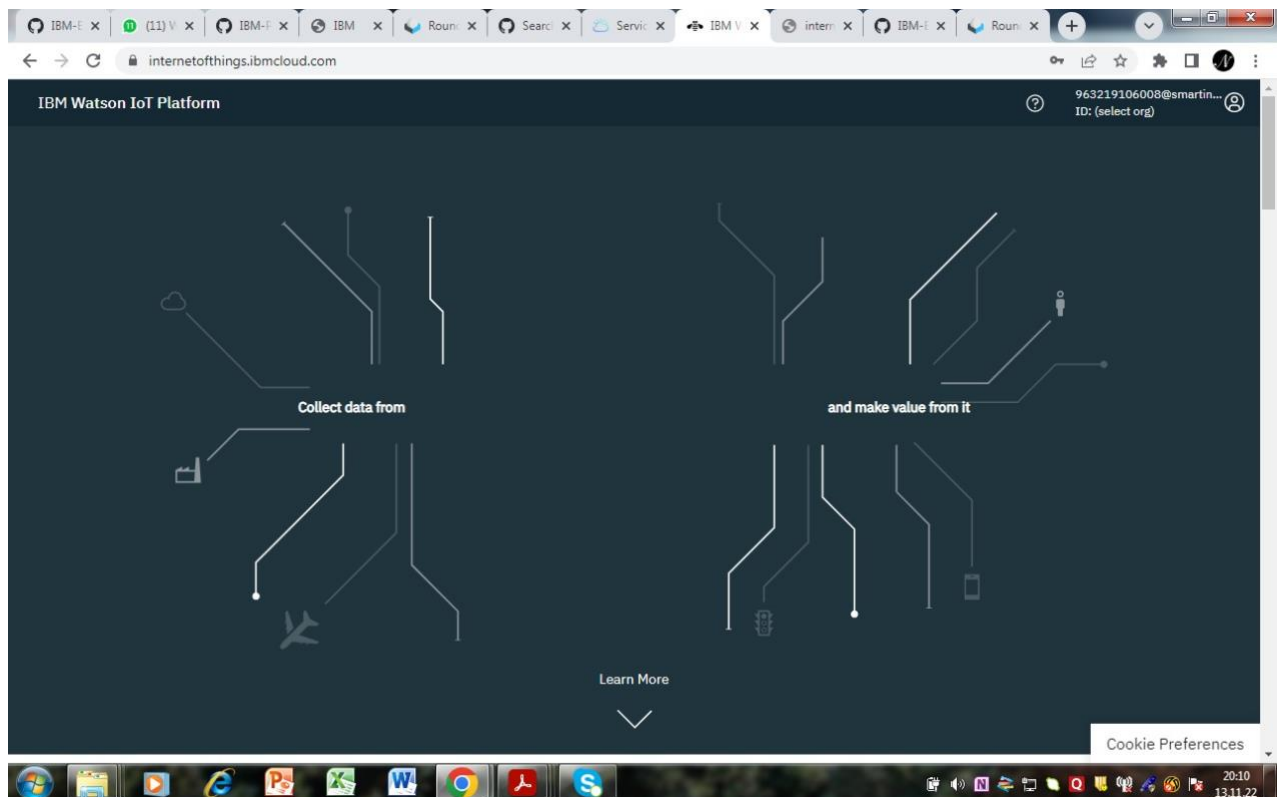
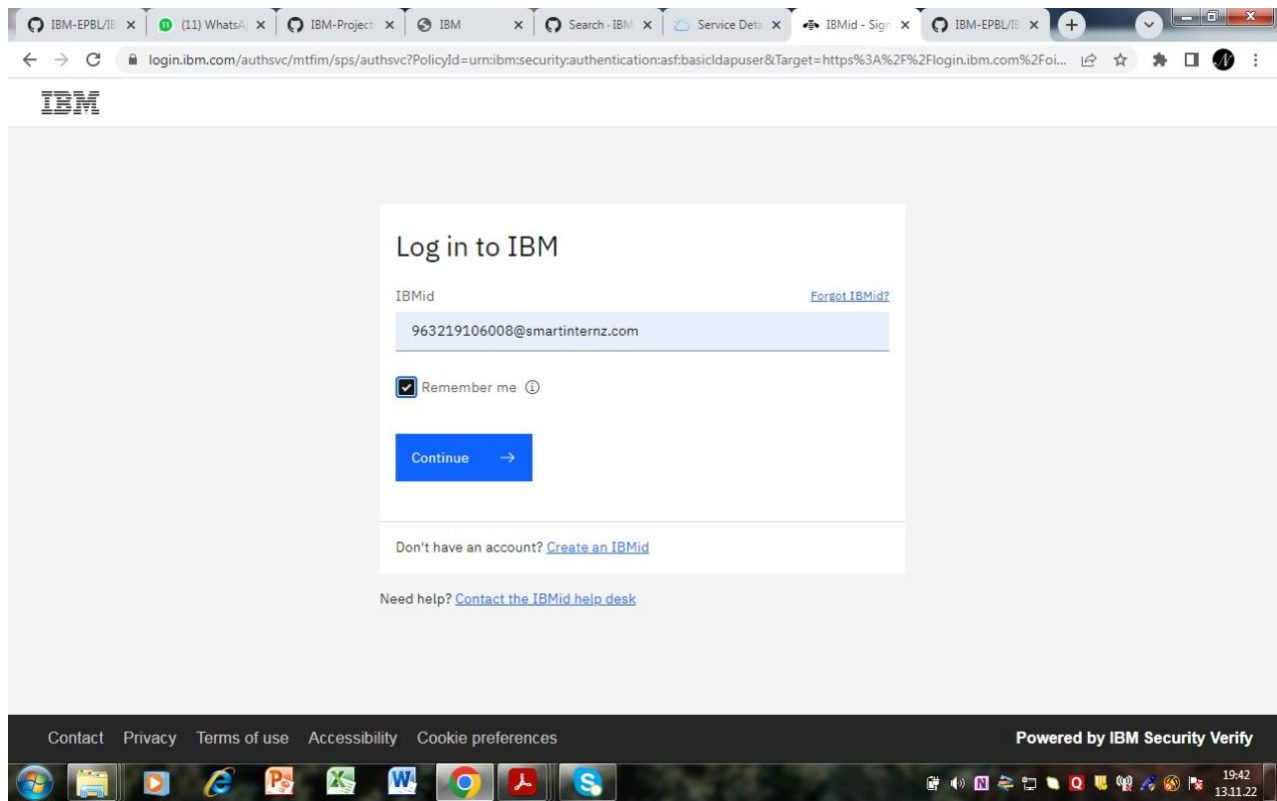
Planned maintenance View all

Waiting for cloud.ibm.com...

18:01 13.11.22







IBM Watson IoT Platform

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ID: hk87y9

Browse Action Device Types Interfaces

Add Device +

## Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID Device Simulator

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added
> <input type="checkbox"/>	ultrasonicsensor_1	Disconnected	ultrasonicsensor	Device	Nov 1, 2022 6:36 PM
> <input type="checkbox"/>	ultrasonicsensor_2	Disconnected	ultrasonicsensor	Device	Nov 1, 2022 6:36 PM

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Thus we created IBM Watson IoT platform and devices.